






**48PGD/E/F/K/L/M03-07  
50PG03-07**

**SINGLE-PACKAGE COOLING UNITS WITH  
FACTORY-INSTALLED GAS HEAT  
SINGLE-PACKAGE COOLING UNITS WITH  
OPTIONAL ELECTRIC HEAT**

- PERFORMANCE DATA**
- CERTIFIED DIMENSION PRINTS**
- ROOF CURB DIMENSION PRINT**



Date:	Supersedes:	<b>48/50PG03-07</b> <b>SINGLE-PACKAGE COOLING UNIT</b> <b>WITH GAS HEAT AND COOLING UNIT</b> <b>WITH OPTIONAL ELECTRIC HEAT</b>		48/50PG	Rev.: -4SB
JOB NAME:		LOCATION:			
BUYER:		BUYER P.O. #		CARRIER #	
UNIT NUMBER:		MODEL NUMBER:			
PERFORMANCE DATA CERTIFIED BY:					DATE:
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">    </div> <div style="width: 65%;"> <p style="text-align: center;"><b>DESCRIPTION</b></p> <p>All units are pre-wired, tested, and pre-charged with Puron® (R-410A) HFC refrigerant at the factory. 48PG units are one-piece ultra-high efficiency rooftop cooling units with gas heat. 50PG units are one-piece ultra-high efficiency cooling units with optional electric heat. Units are factory tested in both heating and cooling modes. The unit is rated in accordance with ARI Standard 210 and 360, tested in accordance with UL Standard 1995 and listed by UL and UL, Canada.</p> <p>The 48PGD model is low heat, the 48PGE is medium heat, and the 48PGF model is high heat. The 48PGL model is low heat with stainless steel heat exchangers, the 48PGM is medium heat with stainless steel heat exchangers, and the 48PGN model is high heat with stainless steel heat exchangers. The 48/50PG unit is field convertible from factory-furnished vertical airflow to horizontal airflow.</p> <p style="text-align: center;"><b>STANDARD UNIT — FEATURES</b></p> <div style="display: flex;"> <div style="width: 45%;"> <p>Puron® (R-410A) HFC refrigerant. SEERs up to 14.3 and EERs up to 12.2. Sound levels as low as 72 dB. Scroll compressors internally protected and crankcase heaters. Thermostatic expansion valve refrigerant control with removable power element. Hinged access doors with quarter-turn latches, tiebacks and handles. Slide out blower / motor assembly. Slide out and internally sloped condensate pan. Slide out filter racks with 2 or 4-in. filter capabilities. Power and condensate thru-the-bottom or thru-the-curb connections. Major access doors have double-wall construction. Cleanable foil-faced insulation throughout the entire unit airstream. Field convertible duct connections from vertical to horizontal. Totally enclosed, thermally protected, shaft down condenser motors.</p> </div> <div style="width: 55%;"> <p>Solid core liquid line filter drier. Isolated and insulated compressor compartment. Belt drive fan and motor assembly. Copper tube aluminum fin coils. Wiring is colored and labeled throughout the unit. Heavy gage full perimeter base rails with built-in rigging capabilities. Cooling operation up to 125 °F (52 °C). Cleanable single slab evaporator and condenser coils. Refrigerant access valves that allow system readings without creating air bypass. Compressor protection includes high, low pressure cutouts and over temperature protection. 24-volt control system with resettable circuit breaker. One-year product warranty. Five-year warranty on all compressors.</p> </div> </div> <p style="text-align: center;"><b>STANDARD UNIT — FEATURES (48PG ONLY)</b></p> <div style="display: flex;"> <div style="width: 45%;"> <p>Up to 81% efficiency. Induced draft combustion system used for reliability and safety. Reliable IGC (integrated gas unit controller) provides system evaluation and troubleshooting via onboard LED indicator. Direct spark ignition. Alumagard™ coated Turbo-tubular™ heat exchangers.</p> </div> <div style="width: 55%;"> <p>Two-stage capacity control. Single point gas connection - side or bottom. Ten-year warranty on Alumagard coated Turbo-tubular aluminized gas heat exchanger. Fifteen-year warranty on optional stainless steel heat exchanger.</p> </div> </div> <p style="text-align: center;"><b>STANDARD UNIT — FEATURES (50PG ONLY)</b></p> <div style="display: flex;"> <div style="width: 45%;"> <p>Five-year warranty on electric heaters. Electric heaters available as factory-installed option or field-installed accessory.</p> </div> <div style="width: 55%;"> <p>Heavy-duty nickel chromium element with high limit reset. Single point wiring kits available.</p> </div> </div> </div> </div>					

## COMFORTLINK™ CONTROLS — FEATURES

Features with optional *ComfortLink*™ controls:

- Communications (via stand-alone thermostat or CCN).
- Scrolling marquee display.
- Time schedule.
- Reverse rotation protection for compressors.
- Space temperature sensor capability.
- Service diagnostics, alarms, and alarm history.
- Service run test capability.
- Unit run time and compressor cycles history.
- CO<sub>2</sub> sensor capability.
- 0° F (–18 C) ambient cooling operation.
- 3V™ (VVT®) Zoning Linkage.

## ELECTRO-MECHANICAL CONTROLS — FEATURES

Features with optional electro-mechanical controls:

- –40 F (4 C) ambient cooling operation.
- Low pressure protection.
- Freeze protection.
- Cycle-LOC™ compressor lockout logic.
- High pressure protection.

## PERFORMANCE DATA

### COOLING

Efficiency \_\_\_\_\_ SEER/EER  
Net Total Capacity \_\_\_\_\_ Btuh  
Net Sensible Capacity \_\_\_\_\_ Btuh  
Compressor Power Input \_\_\_\_\_ kW  
Outdoor Air Temperature \_\_\_\_\_ F  
Indoor Entering Air \_\_\_\_\_ db F \_\_\_\_\_ wb F  
Airflow CFM \_\_\_\_\_ External Static Pressure \_\_\_\_\_ in. wg  
Indoor Fan RPM \_\_\_\_\_  
Indoor Fan Bhp \_\_\_\_\_  
Unit Operating Weight \_\_\_\_\_ lb  
Curb Weight \_\_\_\_\_ lb

### HEATING (GAS)

Total Heating Capacity:

INPUT

Stage 1 \_\_\_\_\_ Btuh

Stage 2 \_\_\_\_\_ Btuh

OUTPUT

Stage 1 \_\_\_\_\_ kW

Stage 2 \_\_\_\_\_ kW

AFUE \_\_\_\_\_ %

Steady State \_\_\_\_\_ %

### HEATING (ELECTRIC)

Total Heating Capacity:

Stage 1 \_\_\_\_\_ Btuh

Stage 2 \_\_\_\_\_ Btuh

## ELECTRICAL DATA

Power Supply to Unit \_\_\_\_\_ Volts \_\_\_\_\_ Phase \_\_\_\_\_ Hz

Minimum Circuit Amps \_\_\_\_\_ Maximum Overcurrent Protection \_\_\_\_\_

## SUBMITTAL DATA

Job Name \_\_\_\_\_

Architect \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor \_\_\_\_\_

Unit Designation \_\_\_\_\_

## OPTIONS AND ACCESSORIES

### FACTORY-INSTALLED AND CERTIFIED OPTIONS

- ☐ Intelligent *ComfortLink™* Controls
- ☐ Electro-Mechanical Controls
- ☐ Humidi-MiZer™ Dehumidification Package with Adaptive Dehumidification Control
- ☐ Tilt-Out Economizer with Single Dry Bulb Sensor and Barometric Relief
- ☐ Tilt-Out Economizer with Single Enthalpy Sensor and Barometric Relief
- ☐ Powered 115-volt Convenience Outlet
- ☐ Non-Powered 115-volt Convenience Outlet
- ☐ HACR Breaker
- ☐ Non-Fused Disconnect Switch
- ☐ Manual Outdoor-Air Damper
- ☐ Two-Position Motorized Outdoor Air Damper
- ☐ Power Exhaust
- ☐ Condenser Coil Hail Guards
- ☐ MERV – 8 Pleated Filters
- ☐ CO<sub>2</sub> Sensor
- ☐ Return Air and Supply Air Smoke Detectors
- ☐ Fan and Plugged Filter Switch
- ☐ High-Static Performance Motor/Drives
- ☐ Phase Loss Protection
- ☐ Pre-Coated Aluminum Fin/Copper Tube Coils
- ☐ Copper Fin/Copper Tube Coils
- ☐ E-Coated Aluminum Fin Copper Tube Coils
- ☐ E-Coated Copper Fin Copper Tube Coils
- ☐ Stainless Steel Gas Heat Exchanger (48PG Only)
- ☐ Low/Medium/High Electric Heaters (50PG Only)
- ☐ Low NOx Gas Models (48PG 2 to 5 Ton Only)
- ☐ Low/Medium/High Gas Heat Sizes (48PG Only)
- ☐ UVC Lights (special order only)

### FIELD-INSTALLED, PRE-ENGINEERED, CERTIFIED ACCESSORIES

- ☐ Economizer with Single Dry Bulb Sensor and Barometric Relief
- ☐ Solid-State Enthalpy Control
- ☐ Differential Enthalpy Control
- ☐ Manual Outdoor-Air Damper
- ☐ Two-Position Motorized Outdoor Air Damper
- ☐ Power Exhaust
- ☐ Condenser Coil Hail Guards
- ☐ Condensate Overflow Switch
- ☐ CO<sub>2</sub> Sensor
- ☐ Return Air and Supply Air Smoke Detectors
- ☐ Fan and Plugged Filter Switch
- ☐ Thru-the-Curb Gas Connection Kit (48PG Only)
- ☐ Thru-the-Bottom Gas Connection Kit (48PG Only)
- ☐ 62M Energy Recovery Ventilator
- ☐ Phase Loss Protection
- ☐ Low/Medium/High Electric Heaters (50PG Only)
- ☐ Single Point Electric Heater Kits (50PG Only)
- ☐ Roof Curb (14 in.)
- ☐ Roof Curb (24 in.)
- ☐ Adapter Curbs
- ☐ Burglar Bars
- ☐ Liquid Propane (LP) Gas Conversion Kit (48PG Only)
- ☐ High Altitude Gas Kit (48PG Only)
- ☐ Flue Gas Discharge Deflector (48PG Only)
- ☐ Thermostat and Subbase
- ☐ T-55 Space Temperature Sensor with Override
- ☐ T-55 Space Temperature Sensor and CO<sub>2</sub> Sensor with Override
- ☐ T-56 Space Temperature Sensor with Override and Set Point Adjust
- ☐ T-56 Space Temperature Sensor and CO<sub>2</sub> Sensor with Override and Set Point Adjust
- ☐ T-58 CCN Communicating Space Temperature Sensor with Override and Set Point Adjust
- ☐ Thermidistat™ Device (used with Humidi-MiZer system only)
- ☐ Humidistat (used with Humidi-MiZer system only)

### OTHER SPECIAL ITEMS

---

---

---

---

---

---

---

---

---

---

---

---





CUT ALONG DOTTED LINE

# ROOF CURB DIMENSION PRINT

